

ACR-005
ADMINISTRATIVE CONTRACTOR REQUIREMENTS

**CONTRACTOR DISPOSABLE ANTI-CONTAMINATION
CLOTHING REQUIREMENTS**

1.0 General:

Disposable Anti-Contamination Clothing (Anti-C's) furnished by the sub-contractor where required on the Health and Safety Requirements Matrix, in Contract Part 8, shall meet the requirements of this specification.

2.0 Products:

2.1 Lightweight, disposable coverall (WITH HOODS AND BOOTIES ATTACHED), barrier to particulates, asbestos and lead.

2.1.1 Coveralls shall be of single piece construction with attached elastic hood, zippered front and heel-to-toe booties (bootie sizes are specific in item 2.1.6 below). Elastic wrists are preferred, but the coverall will be accepted without elastic wrists.

2.1.2 Coverall, bootie and hood material shall meet or exceed the requirements as specified in items 2.1.3 through 2.1.6 below.

2.1.3 Specified color: blue

2.1.4 Fabric shall meet or exceed:

1.8 oz/yd²

Grab strength: 20 lbs. MD, 20 lbs. CD

Energy Absorbed: 40 in-lbs. MD, 50 in-lbs. CD

Tear strength: 15 lbs. MD, 7 lbs. CD

Burst Strength: 30 lbs. (psi)

ANSI/ISEA 101-1993 sizing and labeling standard.

Small particle holdout of 85% for 1.0 micron particles

Tests performed for the above shall be referenced to an industry accepted standard or measure.

2.1.5 Garment shall be sewn with polyester thread using a minimum of 10 stitches per inch. Seams shall be at least 1/8" wide bounded.

2.1.6 Heel-to-toe bootie size shall be at least:

14.0" for SMALL

15.0" for MEDIUM/LARGE/X LARGE

16.0" for XX & XXX LARGE

17.0" for XXXX LARGE

- 2.1.7 Contact FDF Procurement or FDF Radiological Control for currently approved suppliers. Alternative suppliers selected by the Contractor will require an evaluation by the FDF Radiological Control department.
- 2.2 Waterproof, disposable coverall, to be used as total barrier to water, liquids and particulates. (WITH HOODS AND BOOTIES ATTACHED).
- 2.2.1 Coveralls shall be of single piece construction with attached elastic hood, elastic wrists, sealed zipper front and heel-to-toe booties (see item 2.2.8 below for specific bootie sizes).
- 2.2.2 Coverall, bootie and hood material shall meet or exceed the requirements as specified in items 2.2.3 through 2.2.8 below.
- 2.2.3 Specified color: yellow
- 2.2.4 Fabric shall be a multi-layered fabric for liquid proof barrier performance.
- 2.2.5 Fabric shall be a breathable type and referenced to an industry accepted standard or measure for breathability.
- 2.2.6 Fabric shall meet or exceed:
- 2.0 oz/yd²
 - Small particle holdout: > 99% for 1.0 micron particle holdout (filtration test).
 - Liquid holdout: > 100 cm hydrostatic head, < 0.05 g liquid penetration.
 - ANSI/ISEA 101-1993 sizing and labeling standard.
 - Tests performed for the above shall be referenced to an industry accepted standard or measure.
- 2.2.7 Garment seams shall be bound and sewn with polyester thread using a minimum of 10 stitches per inch. The seams shall be heat or ultrasonically sealed with at least a ½" wide tape overlay (welded seams without stitching or tape overlay are also acceptable). Alternative designs for fully waterproof seams will be considered on evaluation of submitted samples.
- 2.2.8 Heel-to-toe bootie size shall be at least:
- 15.0" for LARGE/X-LARGE
 - 16.0" for XX & XXX LARGE
 - 17.0" for XXXX LARGE
- 2.2.9 Contact FDF Procurement or FDF Radiological Control for currently approved suppliers. Alternative suppliers selected by the Contractor will require an evaluation by the FDF Radiological Control department.

- 2.3 Chemical Proof, disposable coverall to be used as barrier to liquids, particulates and specified chemicals (DuPont Permeation Guide)-WITH HOOD AND BOOTIES ATTACHED.
- 2.3.1 Coverall shall be Saranex 23P/Tyvek or approved equal laminate of single piece construction with an attached elastic hood, elastic cuffs, and attached heel-to-toe booties (see item 2.3.7 below for specific bootie sizes)
- 2.3.2 Coverall, bootie and hood material shall meet or exceed the requirements as specified in items 2.3.3 through 2.3.7 below.
- 2.3.3 Specified color: white
- 2.3.4 Dow Saranex 23P film laminated to DuPont 1422 Tyvek.
- 2.3.5 Barrier properties shall meet or exceed:
- Seams shall pass ASTM F-903 (2 psig) for water (waterproof).
Zipper area must have a protective flap with an adhesive backing that can be pulled over the zipper area. The flap must be constructed of Saranex 23P/Tyvek 1422 laminate.
ANSI/ISEA 101-1993 sizing and labeling standard.
Applicable tests performed for the above shall be referenced to an industry accepted standard or measure.
- 2.3.6 Garment shall have seams that are heat or ultrasonically sealed with at least a ½" wide tape overlay.
- 2.3.7 Heel-to-toe bootie size shall be at least:
- 15.0" for LARGE/X LARGE/XX LARGE
17.0" for XXX LARGE/XXXX LARGE
- 2.3.8 Contact FDF Procurement or FDF Radiological Control for currently approved suppliers. Alternative suppliers selected by the Contractor will require an evaluation by the FDF Radiological Control department.
- 3.0 Equals:
- The Contractor may submit equals from other distributors meeting the requirements of Section 2.0 for conformance review by FDF. Submittal shall include data demonstrating conformance to requirements.

4.0 Submittal:

The Contractor shall submit, at least 30 working days in advance of use, a list of PPE manufactures, model numbers and sample of Disposable Anti-C clothing to be provided for approval by FDF.